

SEQUENCE LISTING

<110> COOK, David Ian
 FRALEY, Kristie-Ann
 ISHIBASHI, Hajime
 KOMWATANA, Permsak
 SANCHEZ-PEREZ, Angeles
 YOUNG, John
 DINUDOM, Anuwar

<120> Methods for diagnosis and treatment of human diseases including hypertension

<130> 1871-133

<150> PCT/AU00/00980

<151> 2000-08-16

<150> PQ 2239

<151> 1999-08-16

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 3186

<212> DNA

<213> Mus musculus

<400> 1

atggaggcct	cctgtctaga	gctggccctg	gaaggggagc	ggctgtgcaa	ggcggggggac	60
ttcaaggcag	gtgtggcctt	cttcgaggct	gctgtgcagg	tgggcactga	ggacctgaag	120
acactgagt	ccatctacag	ccagctgggc	aatgcctact	tctacctgaa	ggagtatgcc	180
cgggccctgc	agttctacaa	acatgacttg	ctgctggcac	ggaccattgg	tgaccgcatg	240
ggggaggcca	aggctagtgg	gaacctgggc	aacacactca	gggccctagg	ccgattcgat	300
gaggcaatcg	tctgctgcca	acgacacttg	gacattgccc	aggagcaggg	ggacaagggt	360
ggggaggcga	gagcactcta	caacattgga	aatgtgtacc	acgccaaagg	caaacagctt	420
tcctggaatg	ctgcacagga	ccccgggcac	ctgccacctg	atgtccgcga	gacactgcac	480
agggcctctg	agttttatgg	gaggaacctg	tcttttgtga	aggaactagg	cgaccggggc	540
gccagaggca	gggcctatgg	caacctgggt	aacacccact	acctactggg	aaacttcacg	600
gaggccacaa	ccttccacaa	agagcgcctg	gccatcgcca	aggagtattg	ggacaaggca	660
gctgagcgga	gggcctacag	caacctgggc	aatgctcaca	tcttcttggg	gcgctttgat	720
gtggctgctg	aacattacaa	gaagacgctg	cagctgtctc	ggcagctccg	ggaccaggca	780
gtggaggctc	aggcttgcta	cagcctgggc	aacacctaca	cactgctaca	ggactacgag	840
cgtgctgctg	agtaccacct	gcggcaccta	gtcattgccc	aggagctggc	tgataggggt	900
ggagagggcc	gagcatgctg	gagcctgggg	aacgcctatg	tgtccatggg	gagccctgca	960
caggccttga	cctttgccaa	gaaacatctg	cagatctccc	aggagattgg	agaccgaaac	1020
ggagaactga	cagcccgcag	gaatattgcc	cacctgcagc	tggccctggg	ccggctgact	1080
agcccagcag	cagcggagaa	gccagatctg	gctggctatg	aggcacaagg	agcaagaccc	1140
aaacggacac	agaggctgag	tgccgagacc	tgggacctgc	tgcggctccc	cctggaccgg	1200
gagcagaatg	gagagaccca	ccacacaggg	gactggaggg	gtccaggcag	ggactcgctt	1260
cccctcccca	tgaggagcag	gaagtaccag	gaagggtccg	atgccattga	gaggagaccc	1320
cgggagggta	gtcactctcc	actggacagt	gctgatgtaa	gggtacaggt	gcctcgtacg	1380
ggtattccca	gggccccgct	ttctgacgag	gagtgtttct	ttgacctgct	gagtaagttc	1440

cagagcagtc	gcatggatga	ccagcgctgt	cccctggagg	aaggccaggc	tggggctgct	1500
gaggccacag	ctgccccatc	cgtggaggat	agagcagctc	agtcctccgt	gacagcttca	1560
ccacagacag	aggagttctt	tgacctcatt	gccagctccc	agagccgccg	gctggacgac	1620
cagagggcta	gcgtaggcag	cctgcctggg	ctacgcatca	ccctcaacaa	tgtggggcac	1680
ctccgaggcg	acggggacgc	ccaggagccg	ggggatgagt	ttttcaacat	gcttatcaaa	1740
taccagtcct	ccaggattga	tgaccagcgc	tgccccaccc	ctgatgtgct	gccccgtggc	1800
cctaccatgc	ctgatgagga	tttcttcagc	cttatccaga	gggtgcaggc	taagcggatg	1860
gatgagcagc	gtgtggacct	tgctgggagt	ccagagcaag	aggccagtgg	gctgcctgat	1920
ccccagcagc	agtgtccacc	gggtgccagc	taaggcctcg	cccctacagc	cagccatacc	1980
ctactctgga	ctctgtaggc	tcacggttgt	ccacagtggc	catgatcccc	caataagcca	2040
aatcttccca	aggccatgat	ggacagccag	ctcagcccca	gccccttccc	actgagccag	2100
atgggtgggtg	cacaaggccc	ccccatccca	ggtgggtgggt	gcaggctaga	gctgctatat	2160
gggggagggc	atgcttctgt	ccccatggat	ctccacagct	tcctgcaggc	ctgccctgcc	2220
ctgccctagg	ccgggccttc	agcatgttgg	ccccgagccc	cgggtgctgtc	cagagtcttt	2280
tccctcaagc	cctgccctgc	caaatgtgaa	actctgccaa	ctctcccaag	gccccagag	2340
gggcttcaag	gacttcttct	ggtgggggct	acagtgtctaa	ggcatcttct	gtccccagc	2400
tggtcctggg	atggctatga	aggaggtaca	ctctgatctg	cctcacgacc	ccagggcagg	2460
cactatcctg	gcctggctgt	gccaaccct	gctgagggag	attggcagct	acaaagtcca	2520
gacaccctga	cctggtagtc	cccagccttg	cacttggcct	ttgaggaaag	atggagcttg	2580
cccctggcag	aggggagagg	caggtctcca	agcatagggg	cttgtagtag	gagtgtctgag	2640
ctctggctgg	tagtggacgt	tcatgagga	tcctctcaac	tagatccttc	agtcctctta	2700
gtgagcatct	accttctatt	actagggaga	tgatatcttg	gctttctccc	caaggagggg	2760
tccatatctt	aattggacac	agggcactgt	agttgggggtg	gagactcagc	cagaactgcc	2820
ggggcatcca	tgagacagac	ccttcgggac	cgtgggtccta	gttcttgcc	acaagtccta	2880
taggtagccc	tactggaggg	ctctgtacaa	ctgtctaacc	cagggcctct	taccagagg	2940
gccagggcaa	gggaaactga	ggacccaact	tctgagaggg	agaggcaaca	tcactctgag	3000
agcagaaaca	gatactagag	cacagggtct	cgggcgggac	atgggtggccg	ccccgcatac	3060
ttgaatgtac	atgcgtatct	attgcttaca	tgtgtttgcc	atgttggttca	tgggtccttt	3120
ctgacccgag	aggtacattt	gttttgtttt	acccaaaaat	aaaagtctgc	caagtgaaaa	3180
aaaaaa						3186

<210> 2

<211> 650

<212> PRT

<213> Mus musculus

<400> 2

Met	Glu	Ala	Ser	Cys	Leu	Glu	Leu	Ala	Leu	Glu	Gly	Glu	Arg	Leu	Cys
1				5				10						15	

Lys	Ala	Gly	Asp	Phe	Lys	Ala	Gly	Val	Ala	Phe	Phe	Glu	Ala	Ala	Val
			20					25					30		

Gln	Val	Gly	Thr	Glu	Asp	Leu	Lys	Thr	Leu	Ser	Ala	Ile	Tyr	Ser	Gln
		35					40					45			

Leu	Gly	Asn	Ala	Tyr	Phe	Tyr	Leu	Lys	Glu	Tyr	Ala	Arg	Ala	Leu	Gln
	50					55					60				

Phe	Tyr	Lys	His	Asp	Leu	Leu	Leu	Ala	Arg	Thr	Ile	Gly	Asp	Arg	Met
65					70				75					80	

Gly	Glu	Ala	Lys	Ala	Ser	Gly	Asn	Leu	Gly	Asn	Thr	Leu	Arg	Ala	Leu
				85					90					95	

Gly	Arg	Phe	Asp	Glu	Ala	Ile	Val	Cys	Cys	Gln	Arg	His	Leu	Asp	Ile	100	105	110	
Ala	Gln	Glu	Gln	Gly	Asp	Lys	Val	Gly	Glu	Ala	Arg	Ala	Leu	Tyr	Asn	115	120	125	
Ile	Gly	Asn	Val	Tyr	His	Ala	Lys	Gly	Lys	Gln	Leu	Ser	Trp	Asn	Ala	130	135	140	
Ala	Gln	Asp	Pro	Gly	His	Leu	Pro	Pro	Asp	Val	Arg	Glu	Thr	Leu	His	145	150	155	160
Arg	Ala	Ser	Glu	Phe	Tyr	Gly	Arg	Asn	Leu	Ser	Leu	Val	Lys	Glu	Leu	165	170	175	
Gly	Asp	Arg	Ala	Ala	Gln	Gly	Arg	Ala	Tyr	Gly	Asn	Leu	Gly	Asn	Thr	180	185	190	
His	Tyr	Leu	Leu	Gly	Asn	Phe	Thr	Glu	Ala	Thr	Thr	Phe	His	Lys	Glu	195	200	205	
Arg	Leu	Ala	Ile	Ala	Lys	Glu	Phe	Gly	Asp	Lys	Ala	Ala	Glu	Arg	Arg	210	215	220	
Ala	Tyr	Ser	Asn	Leu	Gly	Asn	Ala	His	Ile	Phe	Leu	Gly	Arg	Phe	Asp	225	230	235	240
Val	Ala	Ala	Glu	His	Tyr	Lys	Lys	Thr	Leu	Gln	Leu	Ser	Arg	Gln	Leu	245	250	255	
Arg	Asp	Gln	Ala	Val	Glu	Ala	Gln	Ala	Cys	Tyr	Ser	Leu	Gly	Asn	Thr	260	265	270	
Tyr	Thr	Leu	Leu	Gln	Asp	Tyr	Glu	Arg	Ala	Ala	Glu	Tyr	His	Leu	Arg	275	280	285	
His	Leu	Val	Ile	Ala	Gln	Glu	Leu	Ala	Asp	Arg	Val	Gly	Glu	Gly	Arg	290	295	300	
Ala	Cys	Trp	Ser	Leu	Gly	Asn	Ala	Tyr	Val	Ser	Met	Gly	Ser	Pro	Ala	305	310	315	320
Gln	Ala	Leu	Thr	Phe	Ala	Lys	Lys	His	Leu	Gln	Ile	Ser	Gln	Glu	Ile	325	330	335	
Gly	Asp	Arg	Asn	Gly	Glu	Leu	Thr	Ala	Arg	Met	Asn	Ile	Ala	His	Leu	340	345	350	
Gln	Leu	Ala	Leu	Gly	Arg	Leu	Thr	Ser	Pro	Ala	Ala	Ala	Glu	Lys	Pro	355	360	365	
Asp	Leu	Ala	Gly	Tyr	Glu	Ala	Gln	Gly	Ala	Arg	Pro	Lys	Arg	Thr	Gln	370	375	380	
Arg	Leu	Ser	Ala	Glu	Thr	Trp	Asp	Leu	Leu	Arg	Leu	Pro	Leu	Asp	Arg	385	390	395	400

Glu	Gln	Asn	Gly	Glu	Thr	His	His	Thr	Gly	Asp	Trp	Arg	Gly	Pro	Gly	405	410	415
Arg	Asp	Ser	Leu	Pro	Leu	Pro	Met	Arg	Ser	Arg	Lys	Tyr	Gln	Glu	Gly	420	425	430
Pro	Asp	Ala	Ile	Glu	Arg	Arg	Pro	Arg	Glu	Gly	Ser	His	Ser	Pro	Leu	435	440	445
Asp	Ser	Ala	Asp	Val	Arg	Val	Gln	Val	Pro	Arg	Thr	Gly	Ile	Pro	Arg	450	455	460
Ala	Pro	Ser	Ser	Asp	Glu	Glu	Cys	Phe	Phe	Asp	Leu	Leu	Ser	Lys	Phe	465	470	475
Gln	Ser	Ser	Arg	Met	Asp	Asp	Gln	Arg	Cys	Pro	Leu	Glu	Glu	Gly	Gln	485	490	495
Ala	Gly	Ala	Ala	Glu	Ala	Thr	Ala	Ala	Pro	Ser	Val	Glu	Asp	Arg	Ala	500	505	510
Ala	Gln	Ser	Ser	Val	Thr	Ala	Ser	Pro	Gln	Thr	Glu	Glu	Phe	Phe	Asp	515	520	525
Leu	Ile	Ala	Ser	Ser	Gln	Ser	Arg	Arg	Leu	Asp	Asp	Gln	Arg	Ala	Ser	530	535	540
Val	Gly	Ser	Leu	Pro	Gly	Leu	Arg	Ile	Thr	Leu	Asn	Asn	Val	Gly	His	545	550	555
Leu	Arg	Gly	Asp	Gly	Asp	Ala	Gln	Glu	Pro	Gly	Asp	Glu	Phe	Phe	Asn	565	570	575
Met	Leu	Ile	Lys	Tyr	Gln	Ser	Ser	Arg	Ile	Asp	Asp	Gln	Arg	Cys	Pro	580	585	590
Pro	Pro	Asp	Val	Leu	Pro	Arg	Gly	Pro	Thr	Met	Pro	Asp	Glu	Asp	Phe	595	600	605
Phe	Ser	Leu	Ile	Gln	Arg	Val	Gln	Ala	Lys	Arg	Met	Asp	Glu	Gln	Arg	610	615	620
Val	Asp	Leu	Ala	Gly	Ser	Pro	Glu	Gln	Glu	Ala	Ser	Gly	Leu	Pro	Asp	625	630	635
Pro	Gln	Gln	Gln	Cys	Pro	Pro	Gly	Ala	Ser							645	650	

<210> 3

<211> 2566

<212> DNA

<213> Mus musculus

<400> 3

aaggaggaca	ctgcctggct	ggttagctag	catcgccgct	ccaagactag	ccgctcagcg	60
accacagccg	ggttgctcca	ccttaagtcg	gaggcgccctg	tacacaccct	tgggttcggc	120
tgctctccca	gcacccctca	cgcgtaggacg	ccgggcttcc	ggacctgggc	ggagcccccg	180
ggtttggccg	attgcgtctt	cccagcccaa	gccttccagc	acccggtgcc	aggggcatg	240
gagccccggg	cagttgcgga	tgccttggag	accggagagg	aagatgcggt	gacagaagct	300
ctgcggtcgt	tcaaccggga	gcattctcag	agcttcacct	tcgatgatgc	ccagcaggag	360
gacaggaaga	gactcgcaaa	gctactggtc	tccgtcctgg	agcagggctt	gtcaccaaag	420
caccgtgtca	cctggctgca	gactatccga	atcctatccc	gagaccgcag	ctgcctggac	480
tcatttgcca	gccgccagag	cttacatgca	ctagcctgct	atgctgacat	taccgtctca	540
gaggaaccca	tcccacagtc	cccagacatg	gatgtcctcc	tcgagtctct	caaatgcctg	600
tgtaatcttg	tgctcagcag	tccaacagca	cagatgctag	cagcagaggc	tcgcctgggtg	660
gtgaggctag	cggagcgtgt	gggactgtac	cgcaagagga	gctatcccca	cgaagtccag	720
ttctttgact	tgaggctcct	tttcctgcta	acagcccttc	gcacggatgt	gcgccagcaa	780
ctgtttcagg	agctgcacgg	tgtacgcctg	ctgactgatg	cgctggaact	aacactgggc	840
gtggccccca	aagaaaaccc	tccggtgatg	cttcacagccc	aagagacgga	gagggccatg	900
gagatcctca	aagtgtctct	taatatcacc	tttgactctg	tcaagaggga	agttgatgag	960
gaagatgctg	ccctttaccg	gtacctgggg	actcttctgc	ggcactgcgt	gatggttgaa	1020
gctgctgggg	accgcacaga	ggagtccac	ggccacacgg	tgaatctcct	ggggaacttg	1080
cccctcaagt	gtttggatgt	gcttctggcc	ctggagctcc	acgaaggatc	cttagagttc	1140
atgggagtta	acatggatgt	gatcagtgcc	ctcctcgcct	tcctagagaa	acgtctgcac	1200
cagaccacaca	ggctgaagga	atgtgtggca	cctgtgctga	acgtgttgac	agaatgtgcc	1260
cgcatgcacc	gtcctgccag	gaagtccctg	aaggcccagg	tcctgcccc	tctgagggat	1320
gtgaggactc	ggcctgaggt	gggggacctg	cttcgaaaca	agcttgctccg	cctcatgaca	1380
cacctggata	cagatgtgaa	gagagtagct	gccgagttcc	tctttgtctt	atgttctgaa	1440
agtgtgcccc	gattcatcaa	gtacacaggc	tacgggaatg	ctgccggcct	cctggctgcc	1500
aggggcctca	tggctggggg	ccgacccgag	ggccagtact	cagaggacga	ggacacggac	1560
acagaggagt	acaggaagc	caaggccagc	atcaaccctg	tgactggaag	ggtggaggag	1620
aagccgccta	atcctatgga	aggcatgaca	gaggagcaga	aggaacatga	ggccatgaag	1680
ctagtgaaca	tgtttgacaa	gctctccagg	cacagagtca	tccaacccat	ggggatgagt	1740
cccaggggtc	acctcacttc	tctgcaagat	gcgatgtgtg	agacaatgga	gggacagctc	1800
tcctcagacc	ctgactcaga	tcctgactga	agatgccagc	ggccttgctc	cccttcagaa	1860
ctgggtgctgc	ttccagacat	gtcctggggg	gctgcctcaa	gaagccacac	ccctctccag	1920
ctggggagcc	cttctctctc	ctcctcacat	ttctgtcatc	tgcccttggt	ccagtctcct	1980
gtgttttagga	ctgtggtagt	cttaccctct	gtgaagacgg	ggaaccacac	tttcatttcc	2040
acaagtgaag	ttgtttcttg	gatgtggctg	cagccacgag	cagaattgcc	ctggcacata	2100
aatgaacatg	cgtgtatgag	ggtggtaatg	gagcagggtg	cacatggtgt	aagcatgact	2160
gggctggatg	ccagcccaga	gcccgtatgt	ggggcatacg	ctgtgtttca	aacattttag	2220
aatctgttga	aattgtttaa	gtatgtcaga	aaacacacca	agcgtcatgg	ttcctgcttc	2280
tggccccact	gagcacaggg	ctagtggcct	cttcttaact	ttttggctcct	ggcgtgccca	2340
cccactgcag	tatccgcata	cccaagcctc	actagtgtg	acaactaact	cagtcacaac	2400
cactggctta	gtaattctgt	gaaggcgaaa	gtaagacaaa	gtcaaatctg	agattctgag	2460
gcacagaata	caggagagtt	tgggacaaga	ctgtgtatgt	gaagtagtca	ggtgaaaggc	2520
tattaaacag	aaactgattt	caaaaaaaaa	aaaaaaaaaa	aaaaaa		2566

<210> 4

<211> 530

<212> PRT

<213> Mus musculus

<400> 4

Met	Glu	Pro	Arg	Ala	Val	Ala	Asp	Ala	Leu	Glu	Thr	Gly	Glu	Glu	Asp
1				5					10					15	

Ala Val Thr Glu Ala Leu Arg Ser Phe Asn Arg Glu His Ser Gln Ser

20					25					30					
Phe	Thr	Phe	Asp	Asp	Ala	Gln	Gln	Glu	Asp	Arg	Lys	Arg	Leu	Ala	Lys
		35					40					45			
Leu	Leu	Val	Ser	Val	Leu	Glu	Gln	Gly	Leu	Ser	Pro	Lys	His	Arg	Val
	50					55					60				
Thr	Trp	Leu	Gln	Thr	Ile	Arg	Ile	Leu	Ser	Arg	Asp	Arg	Ser	Cys	Leu
65					70					75					80
Asp	Ser	Phe	Ala	Ser	Arg	Gln	Ser	Leu	His	Ala	Leu	Ala	Cys	Tyr	Ala
				85					90					95	
Asp	Ile	Thr	Val	Ser	Glu	Glu	Pro	Ile	Pro	Gln	Ser	Pro	Asp	Met	Asp
			100					105					110		
Val	Leu	Leu	Glu	Ser	Leu	Lys	Cys	Leu	Cys	Asn	Leu	Val	Leu	Ser	Ser
	115						120					125			
Pro	Thr	Ala	Gln	Met	Leu	Ala	Ala	Glu	Ala	Arg	Leu	Val	Val	Arg	Leu
	130					135					140				
Ala	Glu	Arg	Val	Gly	Leu	Tyr	Arg	Lys	Arg	Ser	Tyr	Pro	His	Glu	Val
145					150					155					160
Gln	Phe	Phe	Asp	Leu	Arg	Leu	Leu	Phe	Leu	Leu	Thr	Ala	Leu	Arg	Thr
				165					170					175	
Asp	Val	Arg	Gln	Gln	Leu	Phe	Gln	Glu	Leu	His	Gly	Val	Arg	Leu	Leu
			180					185					190		
Thr	Asp	Ala	Leu	Glu	Leu	Thr	Leu	Gly	Val	Ala	Pro	Lys	Glu	Asn	Pro
		195					200					205			
Pro	Val	Met	Leu	Pro	Ala	Gln	Glu	Thr	Glu	Arg	Ala	Met	Glu	Ile	Leu
		210				215					220				
Lys	Val	Leu	Phe	Asn	Ile	Thr	Phe	Asp	Ser	Val	Lys	Arg	Glu	Val	Asp
225					230					235					240
Glu	Glu	Asp	Ala	Ala	Leu	Tyr	Arg	Tyr	Leu	Gly	Thr	Leu	Leu	Arg	His
				245					250					255	
Cys	Val	Met	Val	Glu	Ala	Ala	Gly	Asp	Arg	Thr	Glu	Glu	Phe	His	Gly
			260					265					270		
His	Thr	Val	Asn	Leu	Leu	Gly	Asn	Leu	Pro	Leu	Lys	Cys	Leu	Asp	Val
		275					280					285			
Leu	Leu	Ala	Leu	Glu	Leu	His	Glu	Gly	Ser	Leu	Glu	Phe	Met	Gly	Val
	290					295					300				
Asn	Met	Asp	Val	Ile	Ser	Ala	Leu	Leu	Ala	Phe	Leu	Glu	Lys	Arg	Leu
305					310					315					320

His Gln Thr His Arg Leu Lys Glu Cys Val Ala Pro Val Leu Asn Val
 325 330 335
 Leu Thr Glu Cys Ala Arg Met His Arg Pro Ala Arg Lys Phe Leu Lys
 340 345 350
 Ala Gln Val Leu Pro Pro Leu Arg Asp Val Arg Thr Arg Pro Glu Val
 355 360 365
 Gly Asp Leu Leu Arg Asn Lys Leu Val Arg Leu Met Thr His Leu Asp
 370 375 380
 Thr Asp Val Lys Arg Val Ala Ala Glu Phe Leu Phe Val Leu Cys Ser
 385 390 395 400
 Glu Ser Val Pro Arg Phe Ile Lys Tyr Thr Gly Tyr Gly Asn Ala Ala
 405 410 415
 Gly Leu Leu Ala Ala Arg Gly Leu Met Ala Gly Gly Arg Pro Glu Gly
 420 425 430
 Gln Tyr Ser Glu Asp Glu Asp Thr Asp Thr Glu Glu Tyr Arg Glu Ala
 435 440 445
 Lys Ala Ser Ile Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro
 450 455 460
 Asn Pro Met Glu Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala Met
 465 470 475 480
 Lys Leu Val Asn Met Phe Asp Lys Leu Ser Arg His Arg Val Ile Gln
 485 490 495
 Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp Ala
 500 505 510
 Met Cys Glu Thr Met Glu Gly Gln Leu Ser Ser Asp Pro Asp Ser Asp
 515 520 525
 Pro Asp
 530

<210> 5
 <211> 69
 <212> DNA
 <213> Mus musculus

<400> 5
 atggcgagcc cggccccgcc cgtggccgag gagctcccgg gcccggcctc caggcgcctc 60
 tactccagg 69

<210> 6
 <211> 201

<212> DNA
<213> Mus musculus

<400> 6
tgtactgtgg ctgcgtctgc aggggtctgtc tgggggtgacc ttggcatggt gtccctcttc 60
agaccagggt ccaggggtgc agaaaaactg ccaaggacac tgccatagtc tgcaccctga 120
catgttcctg ttccactgag ggtcacagct acgttttcaa gaagatttag agtggcctgg 180
agagaagagc agagacctgg g 201

<210> 7
<211> 787
<212> DNA
<213> Mus musculus

<400> 7
cagtcctgcg ctgtgggtgt tactcggagc aggtgttcag acccaaattt ggagcagagg 60
ctaggaacca gctcagtaaa tcagtcggat gcctctggcg ctgctaaatc caactggatg 120
gggaggacag gcagacccga aagagactgg tgaaggagac ggccggggcc tgccactgag 180
taggggcaga gccggttagc acggcgggtg acatcatcca ctggagcact gtttgtatgt 240
gtcactgtgg ggcaccgact cagctaagtg gcgtgcggac ctggctcccc gctacacagc 300
gctcatagc ttctaacctc agacacgcct cggctggccg cccctccgtt gctcctctcg 360
cgggagtggc ttttccacgg gtgttcttca cttccttctc tgcaattttc ttgagaataa 420
ccgtattact ttggtggcta ttcttttttag ataggtctgc tagtttctgc ctctcgagtg 480
ctgggattta agaaggcgtg cgtcactatg cccggctaac cacgtgcatt attttgacca 540
tccaagtggg tgtacttctc tttccctatt ccctatggaa gatgagctcc aaggcctgga 600
tcgcgagaat cgtcttcccc aactgattaa gcggccagga gccggcgctc ccttctttat 660
cacagtacgg ggacaagagc gtaaagagga cggtcacgc gcgggccaag ccacacccca 720
ctccccaccc tcccatccca cccaccccc cgcttgccag gaactcgggc tagagaggag 780
ggctcga 787